

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complaint if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	
				Filing Date	
				First Named Inventor	Ling
				Art Unit	
				Examiner Name	
Sheet	1	of	4	Attorney Docket Number	P-17.111 (CON)

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

		FOREIGN PATENT DOCUMENTS			
Examiner Initials	Cite No. 1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
					T6

Examiner Signature	Date Considered
-----------------------	--------------------

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

English language translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO
**INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet **2** of **4****Complete if Known**

Application Number	
Filing Date	
First Named Inventor	Ling
Group Art Unit	
Examiner Name	

Attorney Docket Number **P-17.111 (CON)****OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		PALOLEY, J., The Handbook of Biological Confocal Microscopy, JMR Press 1989	
		MANOHARAN R., WANG Y., FELD MS, "Histochemical Analysis of Biological Tissue Using Raman Spectroscopy", Spectrochimica Acta, Part A, 52, pp 210-249, 1996	
		FERRARO JR, et al, Introductory Raman Spectroscopy, Academic Press, July 1994	
		BRENAN CJH, et al, "Volumetric Raman Spectral Imaging with a Confocal Raman Microscope: Image Modalities & Applications" SPIE v 26ss, pp 130-139, 1996	
		KINCADE K, Raman Spectroscopy Enhances in vivo Diagnosis Laser Focus World, pp 83-91, July 1998	
		TURRELL G, et al, Raman Microscopy-Developments & Applications, Academic Press 1996	
		BUICK RN, "Cellular Basis of Chemotherapy", Cancer Chemotherapy Handbook, Appletin & Lange Press 1994	
		JONES RA, An Automated Technique for Deriving MTF from Edge Traces Photographic Science & Engineering VII (2), pp 102-106, 1967	
		BLACKMAN ES, Effects of Noise on the Determination of Photographic System Modulation Transfer Functions. Photographic Science & Engineering V12(5) pp 244-250, 1968	
		BOVIK, AC, "On Detecting Edges in Speckle Imagery", IEEE Trans. Acoust., Speech, Signal Processing, V36(10), pp 1618-1627, 1988	
		KONDO K, et al, "Image Restoration by Weiner Filtering in the Presence of Signal-Dependent Noise", Appl. Opt., V16(0), pp 2254-2558, 1977	

Examiner
SignatureDate
Considered

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

²Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	
(use as many sheets as necessary)				Filing Date	
Sheet	3	of	4	First Named Inventor	Ling
				Group Art Unit	
				Examiner Name	
				Attorney Docket Number	P-17.111 (CON)

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS				
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
		LIM JS, Two-Dimensional Signal & Image Processing, Englewood Cliffs, Prentice Hall, pp 536-540, 1990		
		CASTLEMAN KR, Digital Image Processing, Prentice Hall, Englewood Cliffs, New Jersey, pp 117, 1996		
		ART J., "Photon Detectors for Confocal Microscopy", Handbook of Biological Confocal Microscopy, Plenum Press, New York, pp 183-196, 1995		
		LEE JS, Digital Image Enhancement and Noise Filtering by Use of Local Statistics, IEEE Trans. Pattern Anal. Mach. Intell, PAM 1-2, pp 165-168, 1980		
		PERONA P, Scale Space & Edge Detection Using Anisotropic Diffusion, IEE Trans. Pattern Anal. Mach. Intell, Vol 12(7) pp 629-639, 1990		
		SIJTSEMA, NMETAL, Confocal Direct Imaging Raman Microscope: Design and Applications in Biology, Applied Spectroscopy, v52(3), pp 348-355, 1998		
		FREEMAN TL, et al, Investigation of the Subcellular Localization of Zinc Phthalocyanines by Raman Mapping, Applied Spectroscopy, v52(10), pp 1257-1263, 1998		

Examiner Signature	Date Considered
--------------------	-----------------

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p>Substitute for form 1449B/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(use as many sheets as necessary)</i></p>				<p>C mplete If Known</p>	
Sheet	4	of	4	Application Number	
				Filing Date	
				First Named Inventor	Jian Ling
				Group Art Unit	
				Examiner Name	
				Attorney Docket Number	P-17.111 (CON)

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

***EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.**

1. Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

1. Applicant's unique citation designation number (optional). - Applicant is to place a check mark here if English language translation is required.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual user. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.